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The reference device for the high-definition and digital video era. Launch of the Trinitron color monitor "PROFEEL 16x9," which achieved the highest image quality (in our company's comparison) for home use through our unique high-image-quality technology.

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Sony will release the Trinitron color monitor "PROFEEL16x9" KX-32HV50, which is equipped with an HD Trinitron CRT for high definition and combines high-definition processors, high-precision multi-point scanning deflection systems, separate deflection/high voltage systems, and other high-definition technologies to achieve the highest image quality for home use. This unit is compatible with not only the conventional NTSC system, but also wide clear vision, high definition, and computer VGA modes. We will introduce it to the market as a reference machine for the digital video era, when high-definition broadcasts such as high definition are enriched and digital video and multimedia devices are becoming more prevalent in homes.

Model name	release date	Price (excluding tax)	Initial monthly production
"PROFEEL 16×9" "KX-32HV50"	July 10	395,000 yen	1,000 units

Since its launch in 1980, the "Profile" series has been highly praised by video enthusiasts and commercial customers for its vivid and faithful images that bring together the latest technology, a monitor format that takes into consideration the future expandability of AV systems, and a design that combines functional beauty and sturdiness. The newly released "KX-32HV50" is equipped with a 32-inch HD Trinitron tube and adopts a "high-precision multi-point scan deflection system" in response to the diverse broadcasting formats and the penetration of multimedia into homes. You can enjoy high-quality images from high-definition wide-screen broadcasts such as high-definition television, which are becoming more and more popular, and digital video devices, which are expected to become more popular in the future, on a 16:9 screen wide-screen device. It supports three types of broadcasting formats (current television broadcasting, wide clear vision broadcasting, high-definition broadcasting) and two types of

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number of scan lines.

In pursuit of the highest image quality, high-definition image processors for high vision, new generation 3D Y/C separation circuits, separate deflection/high voltage sy other high-image-quality technologies are combined to reproduce images that are more faithful to the original. In addition, it allows for detailed image adjustments tha suitable for commercial use. In addition, it features an easy-to-read and easy-to-operate menu display, a pressure-sensitive control pad on the main unit, and an RG terminal (D-SUB 3 rows 15 pins) on the top, allowing for comfortable and convenient operation.

Main Features

1. Equipped with a 32-inch HD Trinitron tube that enables high-definition image expression

- (1) The flat HD Trinitron tube takes advantage of the vertical screen shape unique to the Trinitron system, so there is less reflection from external lighting and no distortion on the screen.
- (2) The aperture grille has a center pitch of 0.65 mm, which is the optimal pitch for high-definition image expression, achieving both fine-grained images and bright
- (3) The Super Bricks Gun reproduces images with sharp focus all the way to the corners of the screen.
- (4) The glass surface is coated with a neutral black coating, which provides high contrast and realistic black colors. In addition, EBU color phosphors are used, enat range of color reproduction.

2. High-precision multi-point scanning deflection system

- (1) A multi-point scan controller is used to automatically switch between the horizontal deflection frequencies of NTSC (15.75 kHz), full-spec wide clear vision (31. *1 VGA mode (31.5 kHz), high-definition (33.75 kHz), and Macintosh *2 13-inch color mode (35 kHz).
- (2) When switching to each horizontal deflection frequency, from NTSC broadcasts to Wide Clear Vision, High Vision, and computer images, accurate convergence (convergence of the electron beam) with little color shift is achieved even at the corners of the screen.

3. High-definition video processor for versatile and detailed picture quality adjustment

Committed to more faithful image reproduction, the image processor that determines the image quality is a high-definition image processor that is compatible with definition signals. It creates the optimal image for each different input signal, and provides a wide range of detailed image quality adjustment options.

4. "PROFEEL 16×9" unique "separate deflection/high pressure system & high-precision high-voltage stabilization circuit"

In order to streamline the circuitry, the horizontal deflection circuit and high-voltage generation circuit, which were previously integrated in conventional TVs, have made independent. Furthermore, by adopting a high-speed high-voltage regulator that suppresses high-voltage fluctuations caused by changes in image brightness distortion caused by screen brightness and image patterns has been suppressed to the utmost.

5. "Image distortion adjustment item" to correct image distortion (geometric distortion) caused by the installation direction of the main unit

Users can now adjust various geometric distortion corrections that were previously fixed at factory settings. Various, detailed image distortion adjustments can be correct remaining distortion caused by the installation direction. In addition, fine adjustments to the color shift (convergence) of the electron beam are also possib

6. "High-quality menu display and control pad"

- (1) A new "high-quality menu display" with excellent operability has been developed to efficiently control the multiple inputs and functions unique to this unit. The colors are limited to make them easy to see and elegant. Items that do not fit on a single screen, such as image quality adjustment and image distortion adjustmer displayed by scrolling. There is also a "custom menu function" that allows you to register only frequently used items to create your own easy-to-use menu, and it comfortably operated using the control pad built into the main unit or the included pre-programmed remote control.
- (2) A pressure-sensitive touch sensor "control pad" is built into the front frame of the main unit. By swiping your finger up or down, you can adjust the volume, sv and operate the menu.

7. Wide Clear Vision: A new generation 3D Y/C separation circuit incorporating a horizontal image quality improvement circuit

The new semiconductor process has been adopted to increase the operating speed, reduce size, and reduce power consumption with the 3D Y/C separation circu further reduces color bleeding and flickering of NTSC video input signals. At the same time, the built-in Wide Clear Vision horizontal image quality improvement cir memory efficiently, allowing you to enjoy high-quality Wide Clear Vision broadcasts.

8. Connection terminals compatible with a variety of devices

- (1) Two HD inputs, two terminals for connecting high-definition equipment such as MUSE decoders

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*1 VGA is a registered trademark of IBM.
*2 Macintosh is a registered trademark of Apple Computer, Inc.

Main Specifications

	KX-32HV50
Reception method	NTSC, 1125/60 high definition television
CRT	HD Trinitron tube, 110 degree deflection, 32 inch
Video Division	Multi-point scanning deflection system High-definition image processor Separate deflection/high-voltage system & high-precision high-voltage stabilization circuit 3D Y/C separation circuit
Input/Output Terminals	Video input 4 systems 4 terminals (S1 video input 4 systems 4 terminals) Video output 1 system 1 terminal (S1 video output 1 system 1 terminal) Audio output terminal (analog 2ch variable/fixed) HD input 2 systems (video: Y/PB/PR, audio: analog 2ch) RGB input [rear] Video: R/G/B, sync: HD/VD, audio: analog 2ch RGB input [top] Video, sync: D-SUB 3 row 15 pin, audio: stereo mini jack Control S input/output terminal Speaker output terminal (practical maximum: 15W x 2)
External dimensions (mm)	824 × 534 × 600 (width × height × depth)
mass	Approx. 67.5kg
Power consumption (standby)	245W (2.5W)
Annual power consumption	315kW・h/year
accessories	Pre-programmed remote commander “RM-J201”

Simultaneous release	
Tilt monitor stand sold separately	『SU-32HVX』 ¥38,000 (excluding tax) [Tilt angle up to 10 degrees possible]
Dedicated speaker	『SS-X50A』 ¥25,000 (excluding tax)

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